

-

THE RICHES OF THE SOIL

THE RICHES OF THE SOIL

THE RICHES OF THE SOIL

THE RICHES OF THE SOIL

THE RICHES OF THE SOIL

11. Ear terminal according to claim 10, comprising a connection interface (13,E12) for transmitting the filtered signal from the ear terminal;

12. Ear terminal according to claim 1, for protection of a users hearing comprising a sealing section (2) for acoustically sealing the meatus (3) of a human, comprising

a sound generator (SG) with a sound outlet (S_{SG}) for being directed toward the user meatus (3);

the electronics unit (11,E3) comprising a sound analyser coupled to said inner microphone (M2), for analyzing sound characteristics of the resulting sound field in the meatus (3), producing analyzed sound characteristics;

storing means in the electronics unit (11,E8,E9,E10) for storing measured predetermined sound characteristics of a properly functioning ear protecting device;

a comparing means in the electronics unit (11,E3) for comparing the inner microphone (M2) analyzed sound characteristics with the stored measured predetermined sound characteristics;

indicating means coupled to said comparing means (11,E3) for being activated if said analyzed sound characteristics differ significantly from said predetermined sound characteristics.

13. Ear terminal according to claim 1 comprising a sealing section (2) arranged for use in the ear meatus (3) of a human, and

an electronic unit (11) including filtering means coupled to said inner microphone for filtering the signal from said inner microphone (M2), said filtering means being programmable to transform the signals based on the sounds received in the ear by said inner microphone (M2) into sounds when combined with the users own voice, providing a voice sounding natural to the user.

14. Ear terminal according to claim 13, comprising a sound generator (SG) having a sound outlet arranged for being directed into the meatus, said electronic unit also comprising feedback suppression means for suppressing the feedback between the sound generator (SG) and the inner microphone (M2).

15. Ear terminal system comprising two ear terminals, at least the first of which being an ear terminal according to claim 13, said first ear terminal comprising a connection interface (13,E12) for transmitting the filtered signal from the ear terminal; into said second ear terminal arranged for being positioned in the opposite ear of the user, said second ear terminal comprising a corresponding connection interface (13,E12) and a sound generator (SG) for emitting the sound into said second ear.

16. Ear terminal according to claim 1, wherein the inner microphone (M2) has a sound inlet (S2) for being directed toward the meatus (3), arranged for converting a picked-up sound signal (52) to an output signal (51); the ear protecting device also comprising a an electronics unit (11) including sound analyzing means arranged for analyzing the output signal (51) and comparing the signal with predetermined signals corresponding to acceptable noise limits and for activating an indicator (72) when detecting a passing of these limits.

05653370 050100